

There is not much here for the Captain's Exam – here are the highlights.

- Battery powered            4,000 tests per battery
- Hand-held
- Results are available in **20 seconds**
- Uses test strips – individually packaged
- Use capillary or venous blood sample
  
- A blood glucose level within AVERAGE range is not an indicator for discontinuation of patient care.

## **HOW TO CALIBRATE DEVICE**

- **5-digit number on calibrator = Test Strip lot number**

### **To Calibrate:**

**Calibrate at the BEGINNING of each shift *and* when new box is to be used**

1. Insert calibrator strip (Note: Always re-calibrate for a new box)  
(Note: When strip is inserted, machine will automatically turn on)
2. Remove calibrator strip.

- Test strips can only be once.
- DO NOT let needle come in contact with test strip
- DO NOT discard calibrator until entire box of test strips have been used

## **WHAT NOT TO DO**

- Handle test strips with wet or dirty hands
- Use strips with expired dates
- Don't use if wet, bent, scratched, or damaged in any way
- Don't re-use test strips

- Cut in half OR attempt to use only a portion

### **MONDAY MORNING SOLUTION VERIFICATION TEST**

- ONLY *MediSense®* Glucose Control Solutions shall be used
- **Record** test results in the **Apparatus & Equipment Check Record (F-973)** use an open column for this check.
- **Record** in company's **Journal (F-2)**

When using the test strip:

- Make sure the three (3) black bars are facing UP
- Push in until it stops
- Sensor will turn-on automatically and display 88.8
- If “**rdY**” is NOT displayed OR “**Err**” code is showing
  - Remove strip
  - Turn off machine
  - Reinsert strip
- When “**rdY**” appears – three (3) minutes to apply glucose solution.
- Use drop of solution onto blue target area
- Three (3) hash marks (- - -) appear, MEANS: machine accepting glucose
  - Not hash marks (3-5 secs), reapply more solution
  - 30 seconds time limit to apply sufficient glucose
- Sensor will count backwards from 20
  - Displays of **32 – 63 mg/dl = LOW**
  - Displays of **216 – 366 mg/dl = HIGH**
  - If **Err** is displayed try again with new test strip
  - Still doesn't work?
    1. Journalize,
    2. report it to EMS Captain
- Turn sensor off by pushing Blue button

- Sensor will automatically turn off after one (1) minute.

Testing a patients blood is accomplished using the same procedures as for testing.

### **RECALLING TEST RESULTS**

- Automatically stores the last ten test results
- To recall a test:
  - Press and hold the BLUE button until the “R” appears in window
  - Immediately release the button
  - Machine will alternate “R1” and the **number** of the most recent test
  - To see the others:
    - Keep pressing the blue button

### **MAINTENANCE & REPLACEMENT**

- Machine should NOT need cleaning
- No risk of cross contamination
- Always store in clean dry place in the carrying place
- Clean exterior with warm water – damp cloth
- Avoid storing strips @ < 39 degrees F (4 C) or 86 degrees F
- Temperatures on either side = decreased acuracy